

Table 3-43. Community Structure Parameters of the White Mesa Mill Site Plant Communities (continued)

Community Group/Species	Relative Density	Percent Cover	Relative Cover	Relative Frequency
Shrubs				
Broom snakeweed (<i>Gutierrezia sarothrae</i>)	0.6	0.3	3.1	5.0
Total vegetative cover		10.7		
Bare Ground		79.7		
Litter		9.5		
Controlled Big Sagebrush				
Grasses and grasslike plants				
Crested wheatgrass (<i>Agropyron cristatum</i>)	19.0	3.4	19.3	15.0
Galleta (<i>Pleuraphis jamesii</i>)	16.0	2.8	15.9	18.0
Indian ricegrass (<i>Achnatherum hymenoides</i>)	3.0	0.5	3.0	2.0
Squirreltail (<i>Elymus elymoides</i>)	10.0	1.7	9.8	24.0
Forbs				
Bare Ground milkvetch (<i>Astragalus convallarius</i>)	3.0	0.5	3.0	5.0
Russian thistle (<i>Salsola kali</i>)	11.0	1.9	11.2	15.0
Scarlet globemallow (<i>Sphaeralcea coccinea</i>)	0.2	0.1	0.2	2.0
Shrubs				
Big sagebrush (<i>Artemisia tridentata</i>)	27.0	4.7	27.0	7.0
Broom snakeweed (<i>Gutierrezia sarothrae</i>)	10.0	1.8	10.4	12.0
Total vegetative cover		17.3		
Bare Ground		67.4		
Litter		15.3		
Big Sagebrush				
Grasses and grasslike plants				
Galleta (<i>Pleuraphis jamesii</i>)	72.8	12.7	38.1	35.9
Squirreltail (<i>Elymus elymoides</i>)	19.0	1.1	3.3	23.4
Shrubs				
Big sagebrush (<i>Artemisia tridentata</i>)	4.6	18.9	56.8	20.3
Broom snakeweed (<i>Gutierrezia sarothrae</i>)	3.6	0.5	1.5	10.9
Total vegetative cover		33.3		
Bare Ground		49.9		
Litter		16.9		
Pinon-Juniper				
Grasses and grasslike plants				
Fendler threeawn (<i>Aristida purpurea</i>)	13.1	2.1	8.1	9.7
Cheatgrass (<i>Bromus tectorum</i>)	1.2	0.1	0.4	4.8
Galleta (<i>Pleuraphis jamesii</i>)	26.2	0.8	3.1	9.7
Indian ricegrass (<i>Achnatherum hymenoides</i>)	1.2	0.6	2.3	1.6
Squirreltail (<i>Elymus elymoides</i>)	4.8	0.1	0.4	3.2
Cushion buckwheat (<i>Eriogonum ovalifolium</i>)	3.6	0.1	0.4	5.6
Forbs				
Sand gilia (<i>Gilia leptomeria</i>)	8.3	0.04	0.1	1.6
Stickseed (<i>Lappula occidentalis</i>)	1.2	2.4	9.3	1.6
Shrubs				
Big sagebrush (<i>Artemisia tridentata</i>)	5.9	4.0	15.4	30.3
Yellow rabbitbrush (<i>Chrysothamnus viscidiflorus</i> var. <i>stenophyllum</i>)	1.2	0.3	1.1	5.6
Mexican cliffrose (<i>Purshia mexicana</i>)	3.6	4.0	15.4	23.0
Broom snakeweed (<i>Gutierrezia sarothrae</i>)	14.3	1.3	5.0	30.4
Plains pricklypear (<i>Opuntia polyacantha</i>)	2.4	0.2	0.8	6.3
Trees				
Utah juniper (<i>Juniperus osteosperma</i>)	4.8	7.2	27.8	37.6
Pinon pine (<i>Pinus edulis</i>)	1.2	0.8	3.1	5.7
Lichen				
Moss		1.0	3.9	29.5
Total vegetative cover		0.8	3.1	6.3
Bare Ground		25.9		
Litter		55.6		
Rock		15.6		
		4.4		

Notes: Table from Dames and Moore (1978); indicates plant communities at time of survey.
Source: NRCS 2002; SCS 1989.